

ABSTRACT

DAMPER SEAL

A damper seal 7, 21, 31 is provided in order to act within a mounting platform structure 3 for turbine blades 1, 2. The damper seal 7, 21, 31 includes an entrant surface 8, 28, 38 incorporating a number of paths 22, 32 to enable coolant flow across the entrant surface 8, 28, 38. The damper seal 7, 21, 31 acts to plug an aperture 9 in the structure 3 between adjacent blades 1, 2 and damper detrimental vibrations in the structure 3 which could damage the blades 1, 2. Thus, whilst contact portions 23, 33 are in vibrational coupling contact with the aperture 9, coolant airflow through the paths 22, 32 enables cooling of the seal 7, 21, 31 and areas of the structure 3 about the aperture 9.